1646

Kaufman
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RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/099,898*

DATE: 11/04/98
TIME: 19:06:26

INPUT SET: S29635.raw

> This Raw Listing contains the General
> Information Section and up to the first 5 pages.

ENTERED

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 1                           SEQUENCE LISTING
 2
 3   (1)     General Information:
 4
 5       (i) APPLICANT: Franz-Bacon, Karin
 6                      Gorman, Daniel M.
 7                      McClanahan, Terrill K.
 8
 9      (ii) TITLE OF INVENTION: MAMMALIAN GENES; RELATED REAGENTS
10
11     (iii) NUMBER OF SEQUENCES: 4
12
13      (iv) CORRESPONDENCE ADDRESS:
14           (A) ADDRESSEE: DNAX Research Institute
15           (B) STREET: 901 California Avenue
16           (C) CITY: Palo Alto
17           (D) STATE: California
18           (E) COUNTRY: USA
19           (F) ZIP: 94304-1104
20
21       (v) COMPUTER READABLE FORM:
22           (A) MEDIUM TYPE: Floppy disk
23           (B) COMPUTER: IBM PC compatible
24           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25           (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
26
27      (vi) CURRENT APPLICATION DATA:
28           (A) APPLICATION NUMBER: US not yet assigned
29           (B) FILING DATE: 18-JUN-1998
30           (C) CLASSIFICATION:
31
32     (vii) PRIOR APPLICATION DATA:
33           (A) APPLICATION NUMBER: US 60/050,156
34           (B) FILING DATE: 17-JUN-1997
35
36    (viii) ATTORNEY/AGENT INFORMATION:
37           (A) NAME: Ching, Edwin P.
38           (B) REGISTRATION NUMBER: 34,090
39           (C) REFERENCE/DOCKET NUMBER: DX0744K
40
41      (ix) TELECOMMUNICATION INFORMATION:
42           (A) TELEPHONE: 650-852-9196
43           (B) TELEFAX: 650-496-1200
44
45
46   (2) INFORMATION FOR SEQ ID NO:1:
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47
48          (i)  SEQUENCE CHARACTERISTICS:
49               (A)  LENGTH: 453 base pairs
50               (B)  TYPE: nucleic acid
51               (C)  STRANDEDNESS: single
52               (D)  TOPOLOGY: linear
53
54         (ii)  MOLECULE TYPE: cDNA
55
56
57         (ix)  FEATURE:
58               (A)  NAME/KEY: CDS
59               (B)  LOCATION: 47..370
60
61         (ix)  FEATURE:
62               (A)  NAME/KEY: mat_peptide
63               (B)  LOCATION: 101..370
64
65
66         (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:1:
67
68  GTGTGCCGGA TTTGGTTAGC TGAGCCCACC GAGAGGCGCC TGCAGG ATG AAA GCT        55
69                                                         Met Lys Ala
70                                                         -18
71
72  CTC TGT CTC CTC CTC CTC CCT GTC CTG GGG CTG TTG GTG TCT AGC AAG      103
73  Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val Ser Ser Lys
74  -15             -10                 -5                           1
75
76  ACC CTG TGC TCC ATG GAA GAA GCC ATC AAT GAG AGG ATC CAG GAG GTC      151
77  Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile Gln Glu Val
78               5                  10                  15
79
80  GCC GGC TCC CTA ATA TTT AGG GCA ATA AGC AGC ATT GGC CTG GAG TGC      199
81  Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Leu Glu Cys
82           20                  25                  30
83
84  CAG AGC GTC ACC TCC AGG GGG GAC CTG GCT ACT TGC CCC CGA GGC TTC      247
85  Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg Gly Phe
86       35                  40                  45
87
88  GCC GTC ACC GGC TGC ACT TGT GGC TCC GCC TGT GGC TCG TGG GAT GTG      295
89  Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp Asp Val
90   50                  55                  60                  65
91
92  CGC GCC GAG ACC ACA TGT CAC TGC CAG TGC GCG GGC ATG GAC TGG ACC      343
93  Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp Trp Thr
94                   70                  75                  80
95
96  GGA GCG CGC TGC TGT CGT GTG CAG CCC TGAGGTCGCG CGCAGCGCGT            390
97  Gly Ala Arg Cys Cys Arg Val Gln Pro
98           85                  90
99
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100    GCACAGCGCG GGCGGAGGCG GCTCCAGGTC CGGAGGGGTT GCGGGGGAGC TGGAAATAAA    450
101
102    CCT                                                                    453
103
104
105    (2) INFORMATION FOR SEQ ID NO:2:
106
107            (i) SEQUENCE CHARACTERISTICS:
108                    (A) LENGTH: 108 amino acids
109                    (B) TYPE: amino acid
110                    (D) TOPOLOGY: linear
111
112            (ii) MOLECULE TYPE: protein
113
114            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
115
116    Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
117    -18         -15                 -10                 -5
118
119    Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
120             1               5                   10
121
122    Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
123    15                  20                  25                  30
124
125    Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
126                    35                  40                  45
127
128    Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
129                50                  55                  60
130
131    Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
132                65                  70                  75
133
134    Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
135        80                  85                  90
136
137    (2) INFORMATION FOR SEQ ID NO:3:
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139            (i) SEQUENCE CHARACTERISTICS:
140                    (A) LENGTH: 24 base pairs
141                    (B) TYPE: nucleic acid
142                    (C) STRANDEDNESS: single
143                    (D) TOPOLOGY: linear
144
145            (ii) MOLECULE TYPE: cDNA
146
147
148
149
150            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
151
152    TGTGGCTHYG SCTGTGGMTC KTGG                                              24
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153
154    (2) INFORMATION FOR SEQ ID NO:4:
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156        (i) SEQUENCE CHARACTERISTICS:
157            (A) LENGTH: 23 base pairs
158            (B) TYPE: nucleic acid
159            (C) STRANDEDNESS: single
160            (D) TOPOLOGY: linear
161
162       (ii) MOLECULE TYPE: cDNA
163
164
165
166
167       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
168
169    CAGCAGCGSG CWSHKGTCCA GTC                                    23
170
171
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